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ANALYSIS OF SECONDARY CLASSIFICATIONS

In this index all abstracts appearing in Volume Eight are listed according to their secondary classification—given in braces at the top of each abstract—if there is any. Abstracts are indicated by their primary classification number (bold) and serial number.

| SECONDARY CLASSIFICATION | PRIMARY CLASSIFICATION AND ABSTRACT NUMBER | SECONDARY CLASSIFICATION | PRIMARY CLASSIFICATION AND ABSTRACT NUMBER |
|-----------------------------|--|-----------------------------|---|
| 0.0 | 2.0 , 33 | 2.10 | 2.6 , 875; 5.10 , 932; 5.10 , 935 |
| 0.1 | 1.4 , 218; 10.1 , 404; 4.3 , 583 | 3.1 | 3.10 , 251; 5.10 , 306; 5.10 , 310; 9.1 , 376; 10.9 , 392; 10.9 , 439; 11.1 , 490; 3.3 , 575; 5.1 , 612; 3.10 , 887; 3.2 , 893; 11.9 , 1082 |
| 0.3 | 2.5 , 877 | 3.2 | 5.1 , 305; 2.9 , 881; 2.9 , 882 |
| 0.4 | 3.2 , 59; 1.5 , 219; 3.1 , 249; 10.9 , 401; 6.3 , 656; 10.1 , 742; 11.11 , 796 | 3.3 | 3.2 , 576; 4.4 , 594; 5.7 , 625 |
| 0.6 | 0.8 , 202; 2.9 , 246; 10.9 , 448; 2.1 , 557; 5.2 , 629; 6.2 , 639; 6.1 , 655; 10.1 , 756; 2.8 , 876; 3.9 , 891; 6.2 , 957; 10.9 , 1025 | 3.5 | 3.8 , 46; 6.2 , 337 |
| 0.7 | 0.8 , 7; 0.5 , 188; 0.10 , 196; 8.8 , 700 | 3.6 | 4.3 , 70; 4.1 , 897 |
| 0.8 | 6.1 , 323; 1.8 , 524; 10.4 , 725; 0.2 , 816 | 3.7 | 11.1 , 1077 |
| 0.10 | 0.8 , 8; 4.2 , 72; 0.8 , 193; 0.6 , 518 | 3.8 | 4.3 , 278; 2.5 , 553; 5.3 , 619; 2.2 , 870; 4.3 , 901 |
| 1.0 | 1.5 , 18; 2.3 , 40; 2.3 , 41; 10.5 , 145; 10.5 , 440; 0.0 , 812; 0.7 , 825; 10.0 , 1030 | 3.9 | 2.8 , 239; 2.5 , 241; 3.5 , 258; 1.2 , 525 |
| 1.1 | 10.1 , 144; 0.4 , 189; 1.5 , 223; 2.5 , 561 | 4.0 | 8.0 , 361; 5.0 , 617; 8.8 , 698; 7.1 , 979 |
| 1.2 | 1.5 , 215; 10.10 , 449; 0.7 , 815 | 4.1 | 6.1 , 320; 6.1 , 327; 4.8 , 585; 4.2 , 588; 6.8 , 635; 6.3 , 653; 6.7 , 662; 4.11 , 899; 4.2 , 905; 6.1 , 960; 6.6 , 961; 6.7 , 964; 10.2 , 1052 |
| 1.3 | 0.0 , 519; 10.5 , 734 | 4.2 | 1.0 , 25; 4.5 , 268; 4.1 , 287; 5.5 , 300; 6.8 , 338; 4.0 , 591; 1.0 , 841; 1.8 , 844; 4.3 , 926 |
| 1.4 | 1.0 , 540; 4.0 , 914 | 4.3 | 9.2 , 131; 2.4 , 233; 6.7 , 314; 8.7 , 348; 11.11 , 479; 4.2 , 597; 6.5 , 646; 8.8 , 706; 2.5 , 865; 4.2 , 900; 4.1 , 902; 4.1 , 903 |
| 1.5 | 1.0 , 19; 1.0 , 208; 10.5 , 433; 10.10 , 453; 10.7 , 739; 10.2 , 745; 10.11 , 754; 11.11 , 803; 1.1 , 838; 10.1 , 1027 | 4.4 | 6.1 , 317; 6.1 , 318; 11.11 , 486; 11.11 , 489 |
| 1.6 | 1.5 , 17; 1.5 , 212; 10.4 , 398; 10.4 , 422; 1.5 , 547; 10.1 , 781; 1.0 , 830; 1.5 , 854; 1.5 , 856 | 4.6 | 4.2 , 911 |
| 1.7 | 4.3 , 904 | 4.7 | 0.7 , 817; 4.8 , 895 |
| 1.8 | 0.7 , 3; 4.6 , 68; 0.7 , 191; 5.7 , 307; 8.8 , 360; 8.7 , 365; 10.9 , 421; 0.8 , 504; 4.0 , 602; 5.1 , 622; 6.4 , 638; 0.8 , 827; 4.7 , 917; 6.1 , 963; 8.0 , 993 | 4.8 | 5.8 , 80; 6.1 , 663 |
| 1.9 | 9.5 , 120 | 4.9 | 4.2 , 274; 4.3 , 289; 8.2 , 356; 8.3 , 359; 8.5 , 366; 4.2 , 589; 7.12 , 678; 8.0 , 691; 8.1 , 696; 11.5 , 793; 11.9 , 801; 1.8 , 840; 4.2 , 909; 4.2 , 910; 4.3 , 921; 6.3 , 949; 6.1 , 973; 8.1 , 983; 8.5 , 985; 11.8 , 1086 |
| 1.10 | 1.6 , 207; 1.0 , 839; 10.0 , 1042 | 4.10 | 6.6 , 339; 7.2 , 682; 9.1 , 1008 |
| 2.0 | 1.0 , 23; 1.0 , 30; 1.1 , 550; 2.9 , 871 | 5.0 | 4.0 , 73; 10.5 , 458; 6.9 , 640; 11.7 , 804; 1.8 , 861 |
| 2.1 | 1.1 , 22; 2.0 , 44; 4.5 , 61; 11.0 , 167; 2.8 , 230; 10.9 , 419; 11.0 , 475; 1.0 , 548; 8.9 , 694; 10.1 , 740; 10.5 , 760; 2.4 , 863; 2.3 , 874; 11.11 , 1068; 11.11 , 1069 | 5.1 | 1.8 , 203; 6.9 , 330; 8.9 , 353; 5.7 , 936; 5.6 , 942; 6.1 , 954; 6.9 , 967; 7.5 , 975 |
| 2.2 | 3.1 , 257; 2.9 , 562 | 5.2 | 5.7 , 86; 5.11 , 299; 8.6 , 351; 4.3 , 599; 6.1 , 666; 11.1 , 1080 |
| 2.3 | 4.5 , 64; 2.1 , 245; 3.8 , 252; 4.5 , 275; 4.4 , 281; 4.8 , 286; 5.7 , 311; 11.5 , 494; 6.7 , 660; 1.1 , 849; 2.1 , 869; 2.1 , 873; 2.1 , 880; 4.5 , 907; 4.3 , 908 | 5.3 | 5.8 , 87; 5.6 , 88; 11.1 , 184; 1.3 , 222; 7.6 , 981; 11.1 , 1072 |
| 2.4 | 4.2 , 69; 5.10 , 84; 4.2 , 291; 10.9 , 417; 5.11 , 618; 10.4 , 766; 1.1 , 834; 1.1 , 843; 10.9 , 1057 | 5.4 | 5.6 , 81; 2.5 , 244; 5.8 , 940 |
| 2.5 | 0.3 , 16; 5.10 , 85; 11.0 , 176; 2.8 , 232; 10.4 , 463; 11.7 , 477; 2.9 , 558; 2.4 , 564; 10.1 , 774; 3.1 , 889; 10.1 , 1051 | 5.5 | 3.8 , 573; 3.10 , 885 |
| 2.6 | 1.3 , 216; 4.3 , 273; 5.11 , 304; 4.2 , 590 | 5.6 | 5.4 , 78; 5.7 , 298; 7.8 , 343; 7.6 , 345; 4.5 , 577; 5.3 , 611; 5.3 , 633; 11.11 , 794; 5.3 , 945 |
| 2.7 | 3.8 , 45; 2.9 , 231; 8.8 , 364; 11.7 , 478; 11.7 , 480 | 5.7 | 11.11 , 476; 11.11 , 491; 8.8 , 705; 1.8 , 860; 4.7 , 916; 4.7 , 925 |
| 2.8 | 3.4 , 55; 4.3 , 598 | 5.8 | 4.8 , 75; 7.12 , 102; 2.9 , 228; 1.8 , 551; 5.9 , 610; 6.1 , 667; 7.7 , 977 |
| 2.9 | 1.1 , 27; 3.1 , 58; 3.9 , 259; 6.4 , 665; 4.1 , 896 | | |

| SECONDARY CLASSIFICATION | PRIMARY CLASSIFICATION AND ABSTRACT NUMBER | SECONDARY CLASSIFICATION | PRIMARY CLASSIFICATION AND ABSTRACT NUMBER |
|-----------------------------|--|-----------------------------|--|
| 5.9 | 7.1, 101; 3.1, 264; 5.1, 295; 5.3, 296; 5.6, 312; 6.9, 332; 6.5, 643; 5.1, 930; 5.0, 948 | 9.5 | 7.8, 104; 9.0, 721 |
| 5.10 | 3.8, 255; 10.3, 397; 5.8, 621; 6.9, 670; 3.7, 886 | 9.6 | 6.5, 651 |
| 5.11 | 5.10, 309; 6.9, 325; 9.7, 373; 5.7, 624; 5.0, 626; 5.6, 627; 5.10, 630; 1.8, 847; 5.6, 937; 5.3, 938; 5.6, 943; 6.1, 969 | 9.7 | 3.1, 253; 5.9, 294; 9.3, 372; 5.6, 615 |
| 6.0 | 4.0, 915 | 9.12 | 9.2, 369 |
| 6.1 | 9.12, 374; 10.7, 445; 0.2, 502; 0.2, 503; 3.5, 572; 6.7, 642; 7.12, 681; 9.2, 712; 10.2, 761; 4.1, 913 | 10.0 | 0.1, 190; 0.9, 195; 8.9, 358; 10.2, 455; 10.5, 461; 2.3, 554; 1.0, 835; 6.0, 962; 10.6, 1009 |
| 6.2 | 3.3, 56; 4.4, 71; 6.9, 97; 10.7, 152; 4.3, 290; 5.8, 301; 6.0, 331; 10.6, 429; 6.3, 664; 6.1, 950 | 10.1 | 0.0, 4; 2.10, 36; 10.9, 138; 10.9, 139; 10.11, 163; 2.5, 238; 3.8, 265; 10.9, 409; 10.4, 443; 10.0, 465; 11.10, 484; 10.9, 755; 10.11, 775; 10.9, 785; 10.11, 786; 11.11, 797; 10.9, 1049; 10.4, 1056 10.7, 391; 10.11, 402; 10.4, 406; 10.6, 451; 10.5, 724; 10.7, 738; 10.8, 782; 10.6, 1010; 10.11, 1055 |
| 6.3 | 6.4, 321; 11.0, 487; 6.1, 661; 7.2, 686 | 10.3 | 5.6, 308; 10.11, 747 |
| 6.4 | 4.2, 605 | 10.4 | 11.11, 168; 10.11, 428; 10.1, 431; 10.1, 454; 10.1, 457; 2.4, 555; 1.3, 851; 10.11, 1019 |
| 6.5 | 6.2, 644; 9.5, 714; 5.8, 927; 5.6, 929; 10.1, 1033 | 10.5 | 6.1, 96; 11.11, 175; 2.10, 229; 5.0, 632; 10.1, 791; 1.0, 829 |
| 6.6 | 6.5, 92; 6.1, 674 | 10.6 | 10.1, 153; 10.1, 466; 10.10, 729; 10.1, 757; 10.8, 770; 10.0, 1039; 10.1, 1061 |
| 6.7 | 5.2, 302; 6.8, 322 | 10.7 | 1.0, 20; 10.0, 140; 10.1, 460 |
| 6.8 | 4.3, 601; 4.7, 607; 6.1, 637 | 10.8 | 10.6, 733 |
| 6.9 | 9.1, 121; 9.1, 129; 2.9, 235; 5.0, 613; 5.0, 614; 5.10, 634; 6.2, 658; 6.0, 668; 8.4, 707 | 10.9 | 2.7, 43; 10.1, 161; 4.3, 285; 10.10, 393; 10.1, 403; 10.11, 424; 10.11, 425; 10.8, 438; 10.1, 779; 10.1, 783; 10.1, 789; 10.1, 790; 10.10, 1046; 10.1, 1047 |
| 6.10 | 2.1, 556; 6.1, 972 | 10.10 | 1.5, 842; 10.4, 1054 |
| 6.11 | 6.1, 334; 6.9, 669; 6.6, 953 | 10.11 | 0.1, 14; 4.4, 66; 10.0, 143; 10.0, 160; 1.1, 209; 1.8, 213; 10.4, 405; 10.4, 415; 10.0, 423; 10.10, 436; 10.4, 441; 10.4, 442; 10.4, 456; 10.1, 471; 11.11, 488; 1.5, 533; 1.8, 543; 2.10, 563; 5.10, 620; 10.5, 727; 10.4, 746; 10.1, 758; 10.1, 780; 5.6, 944; 10.4, 1038; 10.4, 1044; 10.6, 1045; 11.7, 1081 |
| 7.0 | 0.6, 13; 9.0, 722; 0.6, 820 | 11.0 | 4.9, 272; 8.0, 987 |
| 7.1 | 9.7, 386; 9.7, 388; 6.1, 955 | 11.1 | 2.8, 35; 3.1, 47; 8.8, 113; 2.9, 247; 3.8, 262; 5.6, 303; 5.2, 623; 5.3, 934; 8.8, 991; 8.8, 1000 |
| 7.2 | 10.9, 410; 7.0, 688 | 11.2 | 2.5, 227; 0.8, 826 |
| 7.3 | 9.1, 375 | 11.3 | 8.8, 115; 8.9, 350; 0.2, 514; 2.8, 568 |
| 7.4 | 7.2, 677 | 11.5 | 6.1, 319; 8.9, 354; 11.10, 482; 4.9, 579; 4.3, 582; 6.3, 652; 6.3, 675; 11.0, 795; 6.4, 966; 8.5, 998; 9.1, 1003 |
| 7.5 | 7.3, 344; 9.2, 709 | 11.6 | 6.9, 649; 8.1, 704 |
| 7.6 | 7.4, 341; 5.7, 931; 7.2, 980 | 11.7 | 0.8, 9; 10.4, 154; 10.1, 155; 2.8, 237; 8.8, 693; 5.10, 946 |
| 7.7 | 4.10, 922 | 11.10 | 10.4, 416 |
| 7.8 | 5.6, 939 | 11.11 | 10.11, 413; 10.4, 467; 10.4, 468 |
| 7.11 | 4.11, 595; 7.12, 976; 9.3, 1004 | | |
| 8.0 | 1.3, 853; 10.2, 1060; 11.7, 1083 | | |
| 8.1 | 4.6, 284; 4.6, 292; 8.2, 355; 4.9, 918 | | |
| 8.2 | 8.1, 701; 4.9, 919; 4.9, 920 | | |
| 8.3 | 1.8, 31; 4.4, 67 | | |
| 8.4 | 2.2, 39; 9.2, 130; 6.9, 650 | | |
| 8.5 | 2.5, 243 | | |
| 8.6 | 8.7, 695; 8.2, 990 | | |
| 8.7 | 4.9, 267; 8.4, 349 | | |
| 8.9 | 11.3, 798 | | |
| 9.0 | 0.1, 187; 4.0, 269; 8.0, 689; 9.2, 713 | | |
| 9.1 | 9.2, 125; 9.4, 377; 4.2, 606; 11.5, 805; 9.11, 1005 | | |
| 9.2 | 9.3, 383; 9.12, 387; 7.2, 679; 11.3, 810 | | |
| 9.4 | 8.7, 105; 7.6, 342; 11.5, 495 | | |
| 9.5 | 7.8, 104; 9.0, 721 | | |

NEW STATISTICAL TABLES

This index contains a listing of all those abstracts concerning papers that contain new statistical tables. Tables presenting data or results of an investigation or illustrations of a new method are not considered.

If the primary purpose of the paper is to present a new table, the abstracts will in general be accordingly classified under code 11.1. Papers which contain a new statistical table but with main purpose to present a new theory or method of testing, are classified under the relevant code, with 11.1 as secondary classification or even a different one. Since there always remains some ambiguity in assigning the primary and secondary classification number this index gives a complete list of all such papers, including those classified under 11.1.

An allocation of classification numbers according to Greenwood & Hartley [*Guide to tables in mathematical statistics* (1962) Princeton and Oxford Univ. Press] as was given in Volumes 4-7 is no longer given.

| | | | |
|--------------------------|-------|------|--|
| Mathematical Methods | No. | | |
| Störmer & Brand | 8/514 | 0.2 | Tables of $c_1(\alpha) = \frac{1}{2} \log \alpha/(100-\alpha)$; $c_2(\alpha) = 0.02\alpha(1-\alpha/100)$; $c_3(\alpha) = 2(100-\alpha)$ for use in growth paper |
| Van Lint & Seidel | 8/518 | 0.6 | Equivalence classes under complementation of n -graphs |
| Probability | | | |
| Springer & Thompson | 8/550 | 1.1 | Density function of products of independent Gaussian variables |
| Frequency Distributions | | | |
| Steck | 8/247 | 2.9 | Multi-normal and Gram-Charlier approximation |
| Haight | 8/558 | 2.9 | Tables of the "harmonic" distribution |
| Sampling Distributions | | | |
| Bofinger, Eve & Bofinger | 8/46 | 3.8 | Correlation of maxima in samples from a bivariate normal population |
| De Carolis, Linda V. | 8/47 | 3.1 | Values of t and bivariate orthogonal Student's $t^{(2)}$ |
| Eisenberger | 8/255 | 3.8 | Estimators of μ and σ from sample quantiles |
| Pearson & Stephens | 8/262 | 3.8 | Mean, standard deviation and moment ratios $\sqrt{\beta_1}$ and β_2 for $u = w/s$ in normal samples |
| Schatzoff | 8/264 | 3.1 | Wilk's likelihood criterion Λ |
| Likeš | 8/573 | 3.8 | Percentage points of ratios of differences of order statistics from exponential distribution |
| Borenus | 8/885 | 3.10 | Distribution of largest value in a sample |
| Estimation | | | |
| Graybill & Connell | 8/67 | 4.4 | Sample sizes for estimating variance with given accuracy |
| Hanson & Koopmans | 8/279 | 4.5 | Tolerance limits for a wide class of distributions |
| Krutchkoff | 8/594 | 4.4 | Factors for constructing confidence intervals for the mean of a normal population, based on the mean absolute deviation |
| Hypothesis Testing | | | |
| McCornack | 8/303 | 5.6 | Wilcoxon's signed rank test |
| Owen | 8/305 | 5.1 | Student's t and non-central t |
| Asano | 8/611 | 5.3 | Probability table of runs |
| Cronholm & Revusky | 8/615 | 5.6 | Distribution of a rank test criterion |
| Hollander | 8/619 | 5.3 | Distribution of a test statistic for two samples |
| Leslie & Brown | 8/623 | 5.2 | Distribution of ratio of largest to smallest range of k samples |
| Malý | 8/624 | 5.7 | Functions for sequential sampling plans |
| Shapiro & Wilk | 8/630 | 5.10 | Test for normality |
| Girone | 8/934 | 5.3 | Non-parametric test for homogeneity of two distributions |
| Maag | 8/935 | 5.10 | Goodness-of-fit statistics $U'_{k,N}$ and $U_{k,N}$ |
| Van Soest | 8/946 | 5.10 | Test of normality |
| Relationships | | | |
| Shenton & Johnson | 8/337 | 6.2 | Moments of estimator in first order auto regression |
| Geary | 8/954 | 6.1 | Distribution of order statistics |
| Harkness & Katz | 8/956 | 6.9 | Powers of 2×2 tests |

| | | | |
|---------------------------------------|--------|-------|--|
| 7. Variance Analysis | No. | | |
| Leone & Nelson | 8/682 | 7.2 | Distribution of variance component estimates |
| 9. Design of Experiments | | | |
| Preece | 8/127 | 9.1 | Balanced incomplete block designs |
| John | 8/379 | 9.1 | Cyclic incomplete block designs |
| Hinkelmann | 8/1005 | 9.11 | Balanced incomplete block designs |
| 10. Stochastic Theory and Time Series | | | |
| Analysis | | | |
| Cronholm | 8/734 | 10.5 | Maximum likelihood estimate of Shannon-Wiener measure of information |
| Leslie | 8/1043 | 10.10 | Distribution of recurrence times |
| 11. Miscellaneous and Special Topics | | | |
| Weir | 8/184 | 11.1 | Behrens-Fisher test |
| Johns & Lieberman | 8/486 | 11.1 | Reliability in case of Weibull-distribution |
| Myers; Schneiderman & | | | |
| Armitage | 8/490 | 11.1 | Sequential t -test plans |
| Van Wagner | 8/491 | 11.1 | Weibull sequential test |
| Barlow & Gupta | 8/794 | 11.1 | Minimum sample size for life test sampling plans |
| Burr | 8/1072 | 11.1 | Cramér-Von Mises W^2 and Watson's U^2 for two-samples problems |
| Gebhardt | 8/1077 | 11.1 | 3rd and 4th sample moments for normal populations |
| Hans Tjian | 8/1080 | 11.1 | Test for exponential distribution |

LIST OF ABBREVIATIONS

| | | |
|--|---|----------------|
| <i>Abh. Dtsch. Akad. Wiss. Berlin</i> | Abhandlungen der Deutschen Akademie der Wissenschaften zu Berlin | Germany |
| <i>Acad. Roy. Belg. Bull. Cl. Sci.</i> | Académie Royale de Belgique. Bulletin de la Classe des Sciences | Belgium |
| <i>Acta. Math. Acad. Sci. Hung.</i> | Acta Mathematica Academiae Scientiarum Hungaricae | Hungary |
| <i>Acta Math., Stockholm</i> | Acta Mathematica | Sweden |
| <i>Acta Mech.</i> | Acta Mechanica | Austria |
| <i>Acta Polytech. Scand.</i> | Acta Polytechnica Scandinavica | Sweden |
| <i>Agriculture</i> | Agriculture | Great Britain |
| <i>Allg. Statist. Arch.</i> | Allgemeines Statistisches Archiv | Germany |
| <i>Amer. Math. Monthly</i> | American Mathematical Monthly | USA |
| <i>Ann. Inst. Henri Poincaré</i> | Annales de l'Institut Henri Poincaré | France |
| <i>Ann. Inst. Statist. Math., Tokyo</i> | Annals of the Institute of Statistical Mathematics | Japan |
| <i>Ann. Math. Statist.</i> | Annals of Mathematical Statistics | USA |
| <i>Annu. Tech. Conf. Trans., Amer. Soc. Qual. Contr.</i> | Annual Technical Conference Transactions of the American Society of Quality Control | USA |
| <i>Applik. Mat.</i> | Aplikace Matematiky | Czechoslovakia |
| <i>Appl. Statist.</i> | Applied Statistics | Great Britain |
| <i>Arch. Math.</i> | Archiv der Mathematik | Germany |
| <i>ARL Tech. Rep.</i> | Aerospace Research Laboratories, Technical Reports of | USA |
| <i>Atti Riun. Sci., Soc. Ital. Statist.</i> | Atti della Riunione Scientifica, Società Italiana di Statistica, Roma | Italy |
| <i>Aust. J. Biol. Sci.</i> | Australian Journal of Biological Sciences | Australia |
| <i>Aust. J. Statist.</i> | Australian Journal of Statistics | Australia |
| <i>Bergakademie</i> | Bergakademie | Germany |
| <i>Biometrics</i> | Biometrics | USA |
| <i>Biometrika</i> | Biometrika | Great Britain |
| <i>Biom.-Prax.</i> | Biométrie-Praximétrie | Belgium |
| <i>Biom. Zeit.</i> | Biometrische Zeitschrift | Germany |
| <i>Boll. Cent. Ric. Operat.</i> | Bolletino del Centro per la Ricerca Operativa | Italy |
| <i>Brit. J. Phil. Sci.</i> | British Journal for the Philosophy of Science | Great Britain |
| <i>Bull. Aviculture, Athens</i> | Bulletin for Aviculture | Greece |
| <i>Bull. Math. Statist.</i> | Bulletin of Mathematical Statistics | Japan |
| <i>Bull. Soc. Math. Belg.</i> | Bulletin de la Société Mathématique de Belgique, Gembloux | Belgium |
| <i>Cahiers Centre Etudes Rech. Opérat.</i> | Cahiers du Centre d'Etudes de Recherche Opérationnelle | Belgium |
| <i>Calcolo</i> | Calcolo | Italy |
| <i>Canad. J. Math.</i> | Canadian Journal of Mathematics | Canada |
| <i>Canad. Math. Bull.</i> | Canadian Mathematical Bulletin | Canada |
| <i>Chiffres</i> | Chiffres | France |
| <i>Collana Ing. C. Olivetti & C., S.p.A.</i> | Collana Ing. C. Olivetti & C., S.p.A., Ivrea | Italy |
| <i>Colloq. Appl. Math. Econ., Budapest</i> | Colloquium on Applications of Mathematics to Economics, Budapest | Hungary |
| <i>Colloq. Math.</i> | Colloquium Mathematicum | Poland |
| <i>Commentary</i> | Commentary | Great Britain |
| <i>Compos. Math., Groningen</i> | Compositio Mathematica, Groningen | Netherlands |
| <i>Computer J.</i> | Computer Journal | Great Britain |
| <i>Computing</i> | Computing | Austria |
| <i>C. R. Acad. Sci., Paris</i> | Comptes Rendus de l'Académie des Sciences, Paris | France |
| <i>Dept. Forest. Biom., Stockholm Res. Notes</i> | Department of Forest Biometry, Stockholm Research Notes | Sweden |
| <i>Druhá Konf. Aplik. Mat. Statist. Strojirenstvi (KAMS)</i> | Druhá Konference o Aplikacích Matematické Statistiky ve Strojirenství | Czechoslovakia |
| <i>Dtsch. Textiltech.</i> | Deutsche Textiltechnik | Germany |
| <i>Elektrie</i> | Elektrie | Germany |
| <i>Elektronische Informationsverarbeitung und Kybernetik</i> | Elektronische Informationsverarbeitung und Kybernetik | Germany |

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| <i>Estadist. Española</i> <i>Exp. Agric.</i> | Estadística Española Experimental Agriculture | Spain Great Britain |
| <i>Faserforschung und Textiltech.</i> <i>Feingerätetechn.</i> <i>Fertigung. Betrieb</i> | Faserforschung und Textiltechnik Feingerätetechnik Fertigungstechnik und Betrieb | Germany Germany Germany |
| <i>G. Economisti</i> | <i>Giornale degli Economisti e Annali di Economia</i> | Italy |
| <i>Illinois J. Math.</i> <i>Indag. Math.</i> <i>Ingen.-Arch.</i> <i>Izv. Akad. Nauk, SSSR Tehn. Kibernet</i> | Illinois Journal of Mathematics Indagationes Mathematicae, Amsterdam Ingenieur-Archiv Izvestija Akademii Nauk, SSSR Tehničeskaja Kibernetika | USA Netherlands Germany USSR |
| <i>Jber. Dtsch. Mathver.</i> <i>J. Agric. Sci.</i> <i>J. Amer. Statist. Ass.</i> <i>J. Animal Ecol.</i> <i>J. Appl. Prob.</i> <i>J. Aust. Math. Soc.</i> <i>J. Ecol.</i> <i>J. Indian Soc. Agric. Statist.</i> <i>J. Indian Statist. Ass.</i> <i>J. Inst. Math. Appl.</i> <i>J. Math. Psychol.</i> <i>J. R. Statist. Soc.</i> <i>J. reine angew. Math.</i> <i>J. Soc. Indust. Appl. Math.</i> <i>J. Soc. Statist. Paris</i> <i>J. Theoret. Biol.</i> <i>J. Zool., Lond.</i> | Jahresbericht der Deutschen Mathematikervereinigung Journal of Agriculture Science Journal of the American Statistical Association Journal of Animal Ecology Journal of Applied Probability Journal of the Australian Mathematical Society Journal of Ecology Journal of the Indian Society of Agricultural Statistics Journal of the Indian Statistical Association Journal of the Institute of Mathematics and its Applications Journal of Mathematical Psychology Journal of the Royal Statistical Society Journal für reine und angewandte Mathematik Journal of the Society for Industrial and Applied Mathematics Journal de la Société Statistique de Paris Journal of Theoretical Biology Journal of Zoology | Germany Great Britain USA USA Great Britain Australia Great Britain India India Great Britain Great Britain Great Britain Germany USA France Great Britain Great Britain |
| <i>La Scuola in Azione</i> | <i>La Scuola in Azione</i> | Italy |
| <i>Math. Ann.</i> <i>Math. Gaz.</i> <i>Math. Nachr.</i> <i>Math. Scand.</i> <i>Math. Zeit.</i> <i>Messen, Steuern, Regeln</i> <i>Metrika</i> <i>Metron</i> <i>Monatsber. Dtsch. Akad. Wiss. Berlin</i> | Mathematische Annalen Mathematical Gazette Mathematische Nachrichten Mathematica Scandinavica Mathematische Zeitschrift Messen, Steuern, Regeln Metrika Metron Monatsberichte der Deutschen Akademie der Wissenschaften zu Berlin | Germany Great Britain Germany Denmark Germany Germany Germany Germany Italy Germany |
| <i>Nachrichtentechnik</i> <i>Naturwiss.</i> <i>Ned. Tijdschr. Psychol.</i> | Nachrichtentechnik Naturwissenschaften Nederlands Tijdschrift voor de Psychologie en haar Grensgebieden | Germany Germany Netherlands |
| <i>Numer. Math.</i> | Numerische Mathematik | Germany |
| <i>Operat. Res.</i> <i>Öst. Ingen.-arch.</i> | Operations Research Österreichisches Ingenieurarchiv | USA Austria |
| <i>Pharmazeutische Praxis</i> <i>Phil. Mag.</i> <i>Problemy kybernetiky, Prague</i> <i>Proc. Amer. Math. Soc.</i> <i>Proc. Camb. Phil. Soc.</i> <i>Proc. Edinburgh Math. Soc.</i> <i>Proc. Inst. Statist. Math., Tokyo</i> <i>Proc. Kon. Ned. Akad. Wetensch.</i> | Pharmazeutische Praxis Philosophical Magazine Problemy kybernetiky, Prague Proceedings of the American Mathematical Society Proceedings of the Cambridge Philosophical Society Proceedings of the Edinburgh Mathematical Society Proceedings of the Institute of Statistical Mathematics Proceedings Koninklijke Nederlandse Akademie van Wetenschappen | Germany Great Britain Czechoslovakia USA Great Britain Great Britain Japan |
| <i>Proc. London Math. Soc.</i> | Proceedings of the London Mathematical Society | Netherlands Great Britain |

| | | |
|--|---|----------------|
| <i>Proc. Roy. Soc.</i> | Proceedings of the Royal Society | Great Britain |
| <i>Psychometrika</i> | Psychometrika | USA |
| <i>Publ. Inst. Mat. Estadist. Fac. Ingen. Agric., Montevideo</i> | Publicaciones del Instituto de Matemáticas y Estadística de la Facultad de Ingeniería y Agrimensura, Montevideo | Uruguay |
| <i>Publ. Inst. Statist. Paris</i> | Publications de l'Institut de Statistique de l'Université de Paris | France |
| <i>Publ. Math. Inst. Hung. Acad. Sci.</i> | Publications of the Mathematical Institute of the Hungarian Academy of Sciences | Hungary |
| <i>Quad. sulla Sperimentazione clinica controllata</i> | Quaderni sulla Sperimentazione clinica controllata | Italy |
| <i>Qualitätskontrolle</i> | Qualitätskontrolle | Germany |
| <i>Rend. Mat. Univ. Roma</i> | Rendiconti di Matematica e delle sue applicazioni | Italy |
| <i>Rev. Belge Statist. Rech. Opérat.</i> | Revue Belge de Statistique et de Recherche Opérationnelle | Belgium |
| <i>Rev. Int. Statist. Inst.</i> | Review of the International Statistical Institute | Netherlands |
| <i>Rev. Rech. Opérat.</i> | Revue Française de Recherche Opérationnelle | France |
| <i>Rev. Statist. Appl.</i> | Revue de Statistique Appliquée | France |
| <i>Rev. Suisse Econ. Polit. Statist.</i> | Revue Suisse d'Economie Politique et de Statistique | Switzerland |
| <i>Ricerche Econ.</i> | Ricerche Economiche | Italy |
| <i>S. Afric. J. Agric. Sci.</i> | South African Journal of Agriculture Science | South Africa |
| <i>S. Afric. Statist. J.</i> | South African Statistical Journal | South Africa |
| <i>Sankhyā</i> | Sankhyā | India |
| <i>SIAM Rev.</i> | SIAM Revue | USA |
| <i>Skand. Aktuartidskr.</i> | Skandinavisk Aktuarietidskrift | Sweden |
| <i>Slévarensvi</i> | Slévarensvi | Czechoslovakia |
| <i>Spoudai</i> | Spoudai | Greece |
| <i>Standardisierung</i> | Standardisierung | Germany |
| <i>Statist. Hefte</i> | Statistische Hefte | Germany |
| <i>Statistica</i> | Statistica | Italy |
| <i>Statistician</i> | Statistician | Great Britain |
| <i>Statist. Neerlandica</i> | Statistica Neerlandica | Netherlands |
| <i>Statist. Praxis</i> | Statistische Praxis | Germany |
| <i>Technometrics</i> | Technometrics | USA |
| <i>Trab. Estadist.</i> | Trabajos de Estadística y Investigación Operativa | Spain |
| <i>Tydskrif Natuurwetenskappe</i> | Tydskrif vir Natuurwetenskappe | South Africa |
| <i>Unternehmensforschung</i> | Unternehmensforschung | Germany |
| <i>Wiss. Zeit. Humboldt Univ., Berlin</i> | Wissenschaftliche Zeitschrift der Humboldt-Universität, Berlin | Germany |
| <i>Wiss. Zeit. Tech. Hochschule Otto von Guericke, Magdeburg</i> | Wissenschaftliche Zeitschrift Technische Hochschule Otto von Guericke, Magdeburg | Germany |
| <i>Wiss. Zeit. Tech. Univ. Dresden</i> | Wissenschaftliche Zeitschrift Technische Universität, Dresden | Germany |
| <i>Zastosowania Mat.</i> | Zastosowania Matematyki | Poland |
| <i>Zeit. angew. Math. Mech.</i> | Zeitschrift für angewandte Mathematik und Mechanik | Germany |
| <i>Zeit. math. Logik Grundlagen Math.</i> | Zeitschrift für mathematische Logik und Grundlagen der Mathematik | Germany |
| <i>Zeit. Physik</i> | Zeitschrift für Physik | Germany |
| <i>Zeit. Wahrscheinlichkeitsth.</i> | Zeitschrift für Wahrscheinlichkeitstheorie und verwandte Gebiete | Germany |

BIBLIOGRAPHIC PAPERS

Until Volume 4, the Index Supplement contained a listing of all papers, abstracted in the volume, in which a large number of references was quoted. On request, this item will be restored and the following index therefore gives a representation of all papers where the number of references exceeds 20.

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| Hannan | 8/195 | 0.9 | 44 | Welfe | 8/972 | 6.1 | 23 |
| Kalaissakis & Antoneaus | 8/197 | 0.8 | 29 | 7. Variance Analysis | | | |
| Allais | 8/811 | 0.5 | 34 | Gatty | 8/678 | 7.12 | 48 |
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| Arnold | 8/18 | 1.5 | 33 | 8. Sampling Design | | | |
| Lawrence | 8/213 | 1.8 | 42 | Žaludová | 8/118 | 8.9 | 23 |
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| Schückher | 8/565 | 2.3 | 112 | Holgate | 8/419 | 10.9 | 22 |
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SCHEME FOR CLASSIFICATION OF ABSTRACTS

1. MATHEMATICAL METHODS (White)

0. General papers
1. Solution of equations
2. Methods of curve fitting
3. Interpolation and quadrature
4. Special functions and transforms
5. Functional relationships
6. Determinantal and matrix analysis
7. Game theory
8. Programming techniques
9. Group and field theory
10. Graph theory
- 11.
- 12.

2. PROBABILITY (Pink)

0. General papers
1. Calculus of probabilities
2. Expected values
3. Combinatorial problems
4. Geometric probability
5. Limit theorems
6. Stochastic convergence
7. Stochastic approximation
8. Decision theory and functions
9. Transforms
10. Convolutions
- 11.
- 12.

3. FREQUENCY DISTRIBUTIONS (Green)

0. General papers
1. Descriptive properties
2. Transformations of variates
3. Normal and lognormal
4. Binomial, multinomial and hypergeometric
5. Poisson, exponential, negative binomial, logarithmic and contagious
6. Rectangular, extreme value and Weibull
7. Pearson and "series expansion" distributions
8. Truncated and mixed distributions
9. Multivariate and other distributions
10. Limit distributions
- 11.
- 12.

4. SAMPLING DISTRIBUTIONS (Light Blue)

0. General papers
1. t , z , F and χ^2 distributions
2. Non-central distributions
3. Approximations; studentisation
4. Quadratic forms
5. Correlation and regression coefficients
6. Location and scale statistics
7. Shape and other descriptive statistics
8. Order statistics
9. Multivariate problems
10. Limit distributions
11. Linear forms
- 12.

5. ESTIMATION (Yellow)

0. General papers
1. Properties of estimators
2. Types of estimator: fiducial, Bayes, maximum likelihood etc.
3. Individual estimators: point
4. Individual estimators: interval
5. Inequalities; tolerance limits and regions
6. Distribution-free methods
7. Sequential methods
8. Multivariate problems
9. Finite population procedures—surveys
10. Simultaneous estimation
11. Cumulative distributions
- 12.

6. HYPOTHESIS TESTING (Purple)

0. General papers
1. Properties of test
2. Individual hypotheses
3. Two-sample problem
4. k -sample problem
5. Outliers
6. Distribution-free tests
7. Sequential tests
8. Multivariate problems
9. Types of test: likelihood ratio, Bayes, minimax, etc.
10. Goodness-of-fit tests
11. Combining and comparing tests
- 12.

7. RELATIONSHIPS (Grey)

0. General papers
1. Regression; linear hypothesis, polynomials
2. Correlation inc. canonical correlation
3. Factor methods and principal components
4. Discriminant analysis and other multivariate methods
5. Ranking and scaling methods
6. Systems of equations: structure
7. Non-linear equations—logistic
8. Transformed relationships—quantal response
9. Association and contingency
10. Functional relationships
11. Non-standard conditions
- 12.

8. VARIANCE ANALYSIS (Biscuit)

0. General papers
1. Fixed effects model
2. Variance components model
3. Mixed and other models
4. Non-orthogonal data and missing values
5. Non-standard conditions—failure of assumptions
6. Covariance analysis
7. Multiple comparisons; multiple decision procedures
8. Ranked data
9. Sequential methods inc. preliminary tests
10. Combining sets of results
11. Precision of measurement
12. Multivariate models

8. SAMPLING DESIGN (Orange)

0. General papers
1. Simple random; stratified; multi-stage
2. Sampling with unequal probability
3. Multi-phase sampling; double sampling
4. Natural (human, animal and biological) populations
5. Non-sampling problems
6. Censored, systematic and quota sampling
7. Nature and number of units; cost and efficiency
8. Acceptance inspection
9. Process control
- 10.
- 11.
- 12.

9. DESIGN OF EXPERIMENTS (Blue)

0. General papers
1. Complete and incomplete block designs
2. Factorial arrangements
3. Response surfaces
4. Nature of unit; number of replications; cost and efficiency
5. Paired comparisons and matching problems
6. Preference tests
7. Repeated and sequential experiments
8. Weighing problems
9. Sensitivity problems
10. Systematic designs
11. Screening tests
12. Other designs, *e.g.* mixtures

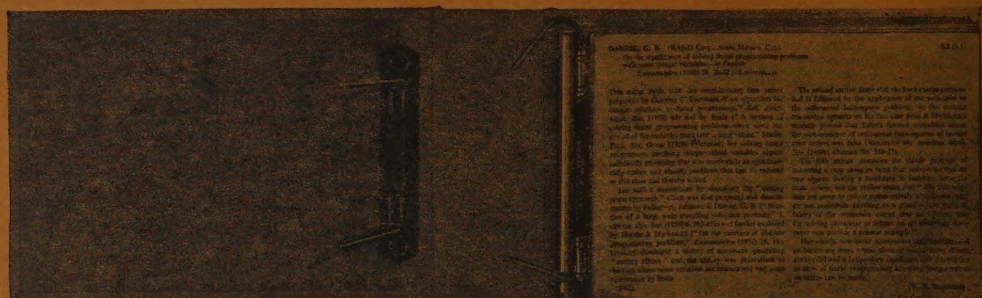
10. STOCHASTIC THEORY AND TIME SERIES ANALYSIS (Red)

0. General papers
1. Properties of individual processes
2. Estimation problems
3. Tests of hypotheses
4. Queueing, storage, risk and congestion theory
5. Information theory
6. Spectral analysis
7. Auto and serial correlation
8. Multivariate processes
9. Biological population studies; genetic models
10. Renewal theory
11. Markov chains and processes
- 12.

11. MISCELLANEOUS AND SPECIAL TOPICS (Cream)

0. General statistical methodology
1. Statistical tables and charts
2. Probability graph papers
3. Nomograms and graphic methods
4. Machine methods; hand and punched cards
5. Machine methods; electronic digital
6. Machine methods; other
7. Monte Carlo methods
8. Index numbers
9. History, biography and bibliography
10. Inventory
11. Life-testing and reliability
12. Teaching and training methods

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